

## Roinside UP2G

# Roinside Electric Scooter UP2G User Manual

Model: UP2G

## 1. INTRODUCTION

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Thank you for choosing the Roinside Electric Scooter UP2G. This manual provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your electric scooter. Please read this manual thoroughly before your first ride to ensure optimal performance and safety.

## 2. SAFETY INFORMATION

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Riding an electric scooter carries inherent risks. To minimize these risks, always adhere to the following safety guidelines:

- Always wear a helmet and appropriate safety gear, including knee and elbow pads.
- Familiarize yourself with local laws and regulations regarding electric scooter use.
- Do not ride in wet conditions, heavy rain, or through puddles deeper than 1 inch. The scooter has an IP65 water-resistant rating, but it is not waterproof.
- Maintain a safe speed and distance from other vehicles and pedestrians.
- Avoid sudden turns, braking, or acceleration.
- Ensure the scooter is fully charged and all components are securely fastened before each ride.
- Do not allow children under the age of 16 to operate the scooter.
- The maximum load capacity is 265 lbs (120 kg). Do not exceed this limit.
- Be aware of your surroundings and potential hazards such as potholes, uneven surfaces, and obstacles.

## 3. PRODUCT OVERVIEW

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The Roinside Electric Scooter UP2G is designed for efficient urban commuting, featuring a powerful motor, long-range battery, and a portable folding design.

## Key Features:

- **Powerful Performance:** Equipped with a 350W brushless motor, reaching speeds up to 19 MPH.
- **Extended Range:** Up to 16 miles on a single charge.
- **Advanced Safety:** Dual braking system (front regenerative brake and rear disc brake), bright LED headlight, and rear reflective taillight.
- **Smart & User-Friendly:** Clear LED display for speed, battery, and mode; 3 speed settings; cruise control; app connectivity.
- **Ultra-Portable Design:** One-step foldable aluminum alloy frame for easy transport and storage.
- **Durable Construction:** High-strength aluminum alloy frame, 8.5-inch solid tires, IP65 water-resistant.

## Components:

Familiarize yourself with the main parts of your scooter:

- Handlebars with grips, brake levers, and LED display.
- Folding mechanism.
- Front wheel with motor.
- Rear wheel with disc brake.
- Deck (footboard).
- Kickstand.
- Charging port.
- LED headlight and rear taillight.



## **Powerful Performance**

Equipped with a 350W motor, it delivers robust power, achieving a top speed of 19 mph (31 km/h)

Figure 3.1: Overview of the Roinside Electric Scooter UP2G.



Figure 3.2: Handlebar display showing 3 speed modes (Eco, Drive, Sport) and current speed.

# 8.5inch Solid tire

Strong in raining of commuting

-  Maintenance-free
-  Anti-slip
-  Durable
-  Long life
-  Better grip
-  Strong load capacity
-  Power saving



Figure 3.3: Close-up of the 8.5-inch solid tire, highlighting its maintenance-free and durable design.

## 4. SETUP

### Unboxing and Initial Assembly:

1. Carefully remove the scooter and all accessories from the packaging.
2. Unfold the scooter by releasing the folding mechanism. Ensure the stem locks securely into place.
3. Attach the handlebars to the stem, ensuring all cables are properly connected and not pinched. Tighten any screws as instructed in the quick start guide (not included in this manual).

### Initial Charging:

Before your first ride, fully charge the scooter's battery. The charger is included in the box.

- Locate the charging port, usually on the side of the deck.
- Connect the charger to the scooter, then plug the charger into a power outlet.
- The charging indicator on the charger will change (e.g., from red to green) when charging is complete.
- Charging typically takes several hours. Do not overcharge.



## 19-Mile Long Range

The e-scooter has a long range, meeting the needs for daily short-distance travel.

Figure 4.1: Illustration of the scooter's battery pack, indicating its long-range capability.

## 5. OPERATING INSTRUCTIONS

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### Power On/Off:

- To power on, press and hold the power button on the LED display for a few seconds.
- To power off, press and hold the power button again until the display turns off.

### Riding the Scooter:

1. Place one foot on the deck and push off with the other foot to gain initial momentum.

2. Once moving, gently press the accelerator lever (throttle) to engage the motor.
3. To brake, release the accelerator and gently squeeze the brake levers. The scooter features a dual braking system for effective stopping.
4. To change speed modes (Eco, Drive, Sport), short press the power button while the scooter is on.
5. The LED display shows your current speed, battery level, and active speed mode.

### Folding and Portability:

The scooter features a one-step folding mechanism for easy transport and storage.

- Ensure the scooter is powered off.
- Locate and release the folding latch on the stem.
- Fold the stem down until it clicks into place, securing it to the rear fender.
- To unfold, release the latch and raise the stem until it locks upright.



Figure 5.1: The Roinside Electric Scooter in its folded, portable configuration.



Figure 5.2: Dimensions of the scooter in both unfolded and folded states, illustrating its compact design.

### App Control:

The Roinside Electric Scooter can be connected to a smartphone app for additional features:

- Download the official Roinside app from your device's app store.
- Follow the in-app instructions to pair your scooter via Bluetooth.
- The app allows you to lock the scooter, adjust settings, view ride statistics, and update firmware.

Your browser does not support the video tag.

Video 5.1: Demonstration of the Roinside Electric Scooter's features, including its foldable design and ease of use for daily commutes.

## 6. MAINTENANCE

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Regular maintenance ensures the longevity and safe operation of your scooter.

### Cleaning:

- Wipe the scooter with a damp cloth after each use. Avoid using high-pressure water jets or harsh cleaning agents.
- Ensure the charging port cover is securely closed to prevent water ingress.

### Battery Care:

- Charge the battery regularly, even if the scooter is not in use, to maintain battery health.
- Store the scooter in a cool, dry place, away from direct sunlight and extreme temperatures.
- Do not attempt to open or repair the battery pack.

### Brake Inspection:

- Regularly check the brake levers and cables for proper tension and function.
- Inspect the disc brake for wear and tear. Replace brake pads if necessary.



## Safety Dual Brake

Drum+EABS anti-lock braking, enabling quick braking in dangerous situations to ensure safety.

Figure 6.1: Close-up of the scooter's dual braking system, featuring a drum brake and EABS anti-lock braking for enhanced safety.

## 7. TROUBLESHOOTING

If you encounter issues with your Roinside Electric Scooter, refer to the following common problems and solutions:

| Problem                    | Possible Cause                 | Solution                                   |
|----------------------------|--------------------------------|--|
| Scooter does not power on. | Low battery; loose connection. | Charge the battery; check all connections. |

| Problem                           | Possible Cause  | Solution   |
|-----------------------------------|---|--|
| Motor not engaging.               | Scooter not pushed off; throttle issue.               | Ensure initial momentum before pressing throttle; check throttle connection.                       |
| Reduced range or speed.           | Low battery; heavy load; uphill riding; cold weather. | Fully charge battery; reduce load; ride on flat terrain; battery performance may decrease in cold. |
| Brakes feel loose or ineffective. | Brake cable loose; worn brake pads.                   | Adjust brake cable tension; replace brake pads.  |

For issues not listed here, please contact Roinside customer support.

## 8. SPECIFICATIONS

| Feature             | Detail                               |
|---------------------|--------------------------------------|
| Brand               | Roinside                             |
| Model Name          | UP2G                                 |
| Motor Power         | 350W Brushless                       |
| Max Speed           | 19 MPH                               |
| Max Range           | 16 Miles                             |
| Tire Type           | 8.5 Inch Solid Rubber                |
| Brake System        | Dual (Front Regenerative, Rear Disc) |
| Frame Material      | Aluminum Alloy                       |
| Max Load Capacity   | 264 Pounds                           |
| Item Weight         | 23 Pounds                            |
| Water Resistance    | IP65                                 |
| Handle Height       | 45 Inches                            |
| Included Components | Charger                              |

## 9. WARRANTY AND SUPPORT

The Roinside Electric Scooter UP2G comes with a **1-Year Limited Warranty** from the date of purchase. This warranty covers manufacturing defects under normal use conditions.

For warranty claims, technical support, or any questions regarding your scooter, please contact Roinside customer service through the official website or your retailer. Please have your purchase receipt and scooter model number (UP2G) ready when contacting support.

